

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A program processing apparatus comprising:

program management means for managing a database that stores program information for programs;

transmission means for transmitting the program information stored in the database to one of a plurality of electronic apparatuses using wireless communication,

wherein the transmitted program information is a user's most recent individual program information;

control means for controlling a plurality of programs recording and playing apparatuses in accordance with received selection information;

determination means for determining whether the selection information indicates information that has been recorded previously by one of the plurality of programs recording and playing apparatuses and determining which one of the plurality of programs recording and playing apparatuses the information is recorded on, and for designating a point for which to begin playback as a function of the selection information when the determination means determines the information has been recorded previously and determines which one of the programs recording and playing apparatuses the information is recorded on,

wherein the apparatus prepares for playing in accordance with the designation and transmits an acknowledgement, and

wherein, when the acknowledgement is confirmed, playback is ready to begin;
and

switching means for switching a wireless communication unit between
communication using a public circuit based on a spread spectrum communication system and
short-distance wireless communication based on the spread spectrum communication system;
and

for determining to display program information from a memory of the requesting
electronic apparatus or to display a message indicating link establishment failed based on the
switching means determining,

as a function of:

whether a request to link from one of the plurality of electronic apparatuses is
from indoors or from outside;

whether the link is unstable.

2. (Previously Presented) A program processing apparatus according to claim 1,
wherein said apparatus further comprises a portable terminal.

3. (Previously Presented) A program processing apparatus according to claim 2,
wherein said portable terminal comprises a private apparatus.

4. (Previously Presented) A program processing apparatus according to claim 1,
wherein the programs recording and playing apparatus comprises an audio apparatus or a video

apparatus.

5. (Canceled)

6. (Previously Presented) A program processing apparatus according to claim 1, wherein the wireless communication with said electronic apparatus is switched between communication using a public circuit and short-distance wireless communication.

7. (Previously Presented) A program processing apparatus according to claim 6, wherein the short-distance wireless communication is based on the Bluetooth system.

8. (Previously Presented) A program processing apparatus according to claim 6, wherein the short-distance wireless communication is based on an infrared data communication system.

9. (Currently Amended) A portable terminal for recording and playing programs, comprising:

transmission means for transmitting program information stored in a database that stores the program information for programs to one of a plurality of electronic apparatuses using wireless communication,

wherein the transmitted program information is a user's most recent individual program information;

display means for displaying the program information obtained using said
transmission means;

command transmission means for transmitting a command that controls a plurality
of programs recording and playing apparatuses to a server that controls recording and playing
performed by the programs recording and playing apparatuses;

determination means for determining whether the selection information indicates
information that has been recorded previously by one of the plurality of programs recording and
playing apparatuses and determining which one of the plurality of programs recording and
playing apparatuses the information is recorded on, and for designating a point for which to
begin playback as a function of the command when the determination means determines the
information has been recorded previously and determines which one of the programs recording
and playing apparatuses the information is recorded on,

wherein the determined programs recording and playing apparatus prepares for
playing in accordance with the designation and transmits an acknowledgement, and

wherein, when the acknowledgement is confirmed, playback is ready to begin;
and

switching means for switching a wireless communication unit between
communication using a public circuit based on a spread spectrum communication system and
short-distance wireless communication based on the spread spectrum communication system;
and

for determining to display program information from a memory of the requesting
electronic apparatus or to display a message indicating link establishment failed based on the
switching means determining.

as a function of:

whether a request to link from one of the plurality of electronic apparatuses is

from indoors or from outside;

whether the link is unstable.

10. (Previously Presented) A portable terminal for recording and playing programs according to claim 9, wherein said portable terminal is a feature of the electronic apparatus using wireless communication.

11. (Previously Presented) A portable terminal for recording and playing programs according to claim 10, wherein said portable terminal comprises a private apparatus.

12. (Previously Presented) A portable terminal for recording and playing programs according to claim 9, wherein the programs recording and playing apparatus comprises an audio apparatus or a video apparatus.

13. (Canceled)

14. (Previously Presented) A portable terminal for recording and playing programs according to claim 9, wherein the wireless communication with said electronic apparatus is switched between communication using a public circuit and short-distance wireless communication.

15. (Previously Presented) A portable terminal for recording and playing programs according to claim 14, wherein the short-distance wireless communication is based on the Bluetooth system.

16. (Previously Presented) A portable terminal for recording and playing programs according to claim 14, wherein the short-distance wireless communication is based on an infrared data communication system.

17. (Currently Amended) A program processing method comprising:
managing a database that stores program information for programs;
transmitting the program information stored in the database to one of a plurality of electronic apparatuses using wireless communication,
wherein the transmitted program information is a user's most recent individual program information;
determining whether a request to link is from indoors or from outside;
determining whether the link is unstable;
determining whether to display program information from a memory of a portable device or a message indicating link establishment failed as a function of the request to link and the determination of whether the link is unstable;
controlling each of the plurality of electronic apparatuses recording and playing function in accordance with received selection information;

determining whether the selection information indicates information that has been recorded previously by one of the plurality of electronic apparatuses and determining which one of the plurality of electronic apparatuses the information is recorded on;

designating a point for which to begin playback as a function of the selection information when determining the selection information indicates information that has been recorded previously by one of the plurality of electronic apparatuses and when determining which one of the plurality of electronic apparatuses the information is recorded on;

transmitting an acknowledgement, such that when the acknowledgement is confirmed, playback is ready to begin; and

switching a wireless communication unit between communication using a public circuit based on a spread spectrum communication system and short-distance wireless communication based on the spread spectrum communication system.

18. (Currently Amended) A method for processing programs, comprising:

transmitting program information stored in a database that stores the program information for programs to one of a plurality of electronic apparatuses using wireless communication,

wherein the transmitted program information is a user's most recent individual program information;

determining whether a request to link is from indoors or from outside;

determining whether the link is unstable;

determining whether to display program information from a memory of a portable device or a message indicating link establishment failed as a function of the request to link and the determination of whether the link is unstable;

displaying the program information obtained;

transmitting a command that controls each of the plurality of electronic apparatuses recording and playing function to a server that controls recording and playing performed by the electronic apparatuses;

determining whether the selection information indicates information that has been recorded previously by one of the plurality of electronic apparatuses and determining which one of the plurality of electronic apparatuses the information is recorded on;

designating a point for which to begin playback as a function of the selection information when determining the selection information indicates information that has been recorded previously by one of the plurality of electronic apparatuses and when determining which one of the plurality of electronic apparatuses the information is recorded on;

preparing the determined electronic apparatus for playing in accordance with the designation;

transmitting an acknowledgement such that when the acknowledgement is confirmed, playback is ready to begin; and

switching a wireless communication unit between communication using a public circuit based on a spread spectrum communication system and short-distance wireless communication based on the spread spectrum communication system.